ORDER NO. AD8905161C2

Service Manual

Coaxial flat-speaker system

Speaker System

SB-RX70

Color

(M) . . . . Walnut Type

Area

Country Code	Area	Color
(E)	Continental Europe.	(K)
(EB)	Great Britain.	(K)
(EG)	F.R.G. and Italy (West Germany).	(K)

■ SPECIFICATIONS (Specifications are subject to change without notice for further improvement.)

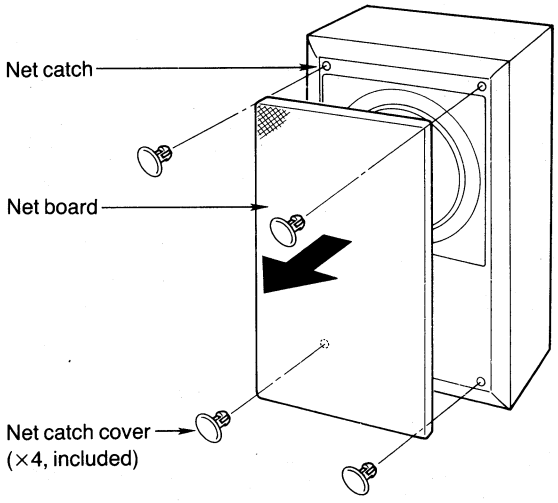
Type	Coaxial 2 way 2-speaker system Bass-reflex
Speakers	Woofer: 24 cm (9½") Flat diaphragm type Tweeter: 2.7 cm (1 1/16") Flat diaphragm type
Impedance	6 ohms
Input Power	200 W, Music 100 W, DIN
Output Sound Pressure Level	86 dB/W (1.0 m)
Crossover Frequency	2,000 Hz
Frequency Range	30 Hz~48 kHz (−16 dB)
Dimensions (W×H×D)	300×480×280 mm (11 13/16"×18 29/32"×11 1/32")
Weight	20 kg (44.1 lb.)

■ ACCESSORIES

- Net catch cover . . . . . (4) (SHR9513)
- Speaker cord . . . . . (4m x 2) (REE0007)

■ NET CATCH COVER INSTALLMENT

In order to obtain the highest level of sound reproduction performance from the system, we encourage removing the net board, and listening with accompanying net catch covers attached to the net catch.



Technics

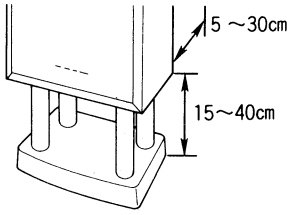
Matsushita Electric Industrial Co., Ltd.
Central P.O. Box 288, Osaka 530-91, Japan

■ HOW TO PLACEMENT

For better aural effect, please follow the instructions below when locating your system.

■ Place the rear panels of the speaker systems against a wide and solid wall leaving a clearance of between 5 and 30 cms behind, and position the systems on a stand at a height of between 15 and 40 cms from the floor.

This will provide a full bass sound and yield better acoustics.



Note:
This system is designed to be placed according to the above instructions. However, if desirable, the following adjustments may be made.

- **To boost the bass sound:**
  Reduce the clearances between the speaker systems and the floor below and wall behind. (A minimum clearance of 5 cms should be left since these systems feature a rear-panel bass reflex configuration.) Alternatively, spread a carpet or rug on the floor in front of the speaker systems.
- **To attenuate the bass sound:**
  Increase the clearances between the speaker systems and the floor below and wall behind.

■ Hang thick curtains against the surface facing the speakers.

This will prevent sound reflection and sympathetic vibration, if the speakers face a solid wall or glass door across the room.

■ Separate from the disc player

If the speakers are placed close to the disc player, the vibration of the speaker system may be transmitted, causing howling (a humming sound). In this case, either separating the speakers from the disc player, or placing a cushioning material under each unit (such as felt), will prove to be effective remedies.

■ Increase the distance between the speaker systems and TV set if interference should affect the colors on the TV screen.

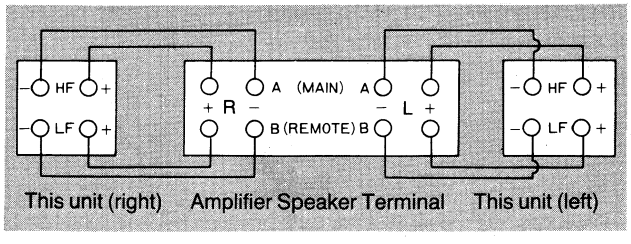
These speaker systems are designed so that they will not readily generate the kind of magnetic fields which will disturb and distort the colors reproduced on a TV screen. However, depending on the kind of TV set used, problems may appear with the colors. In cases like this, switch off the power of the TV set and then wait between 15 and 30 minutes before switching it back on again. The problem should now be solved by the self-demagnetizing function of the TV set. If it persists, place the speaker systems at a greater distance from the TV set.
Exercise caution over the installation of any object capable of generating magnetic fields near the TV set and speaker systems since the colors on the TV screen may be disturbed due to resulting interaction with the systems.

■ HOW TO CONNECTION

- **Use an amplifier which can be connected 6Ω impedance speaker.**
- **Always turn off the amplifier power switch before connecting to the speakers.**
- **Connect the left and right channels to the correct pole (+, −). When the poles are not aligned, there will be a noticeable loss in the senses of direction, orientation, and broadness.**

When the speaker terminal is a two or more system amplifier (Bi-wiring)

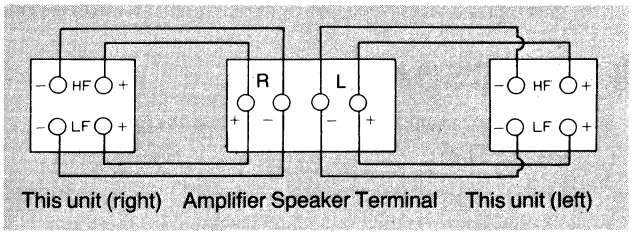
Connect the high frequency terminal (HF) to the amplifier "A" (main) terminal, and the low frequency terminal (LF) to the "B" (remote) terminal.



Note:
Set the speaker select switch to the "A (main)" +"B (remote)" position.

When the speaker terminal is a one system amplifier

Connect to the amplifier speaker terminals with both speaker cords connected to the same pole.



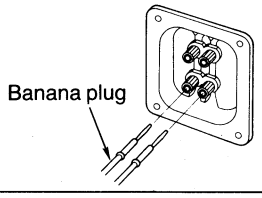
■ Connecting the speaker cords

① Twist the strands.

② Loosen by turning to the left 5 or 6 times.

③ Insert the cord and tighten up properly.

When using a banana plug

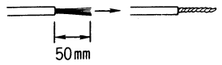


Note:
Use with speaker terminal knob tightened completely.

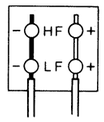
When attaching with a single wire

Bi-wiring should be used in order for the capabilities of the system to be adequately displayed. However, when connecting with single wiring, please follow the figure below:

Strip the wire to a point 50 mm from the end, and twist the wire end to a point.



Insert the wire from the LF through the HF.



■ When using speaker cords other than those connected

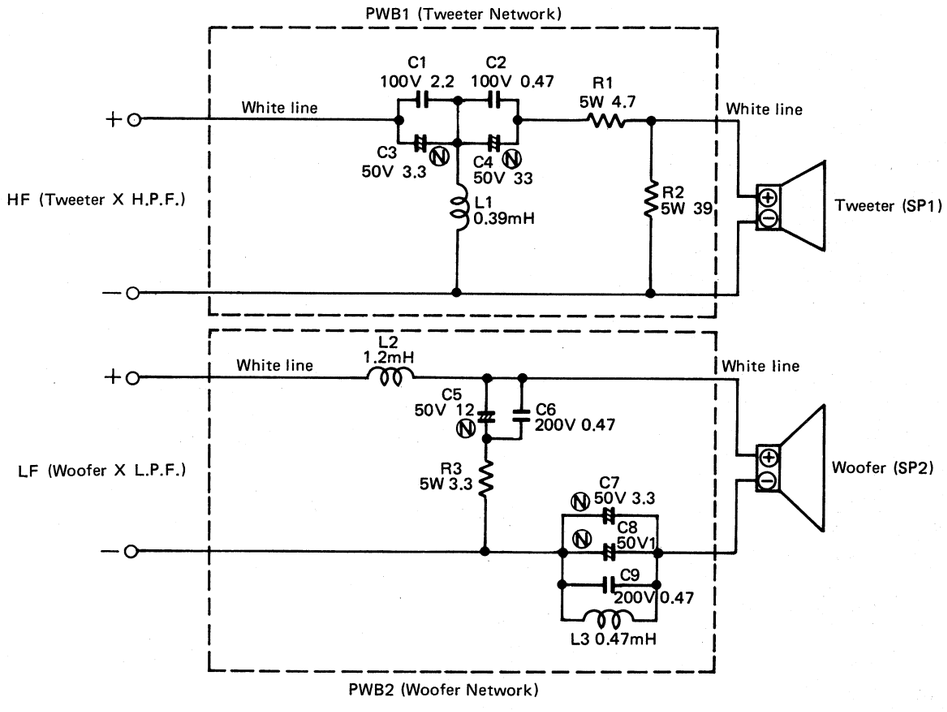
- 5 m or under .... At least of a thickness suitable for AC power cord
- 5 m or over .... Thick, with low resistance to direct current

As proper volume will not be obtained, and as wound quality will be markedly worse, if thin cords or cords which are not suitable for use with speakers are used, take care in this regard.

■ SCHEMATIC DIAGRAM

(Parts list on page 6.)

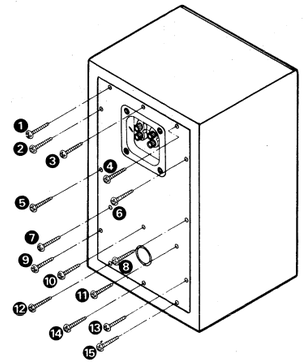
(This schematic diagram may be modified at any time with development of new technology.)

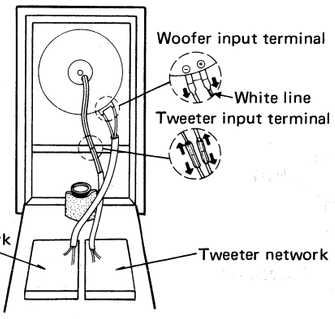


■ DISASSEMBLY INSTRUCTIONS

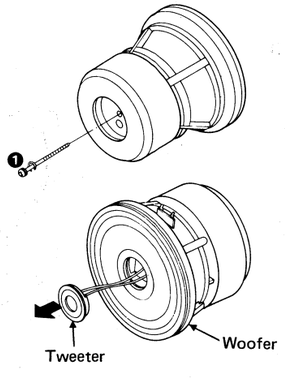
"ATTENTION SERVICER"
Some chassis components may have sharp edges. Be careful when disassembling and servicing.

Ref. No. 1	Removal of the rear board.
Procedure 1	1. Remove the 15 screws (❶ ~ ⓯). 2. Remove the lead wire of the speakers (Woofer/Tweeter).

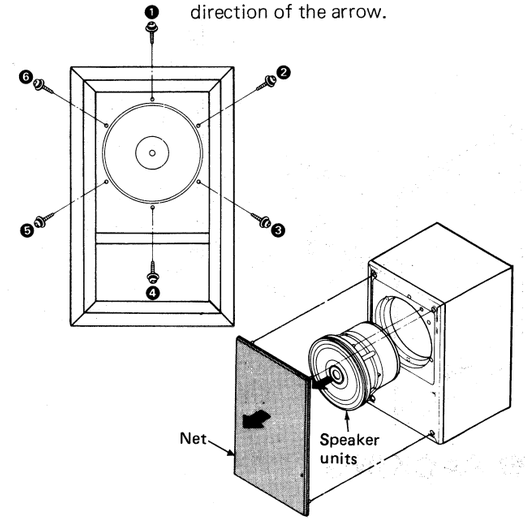




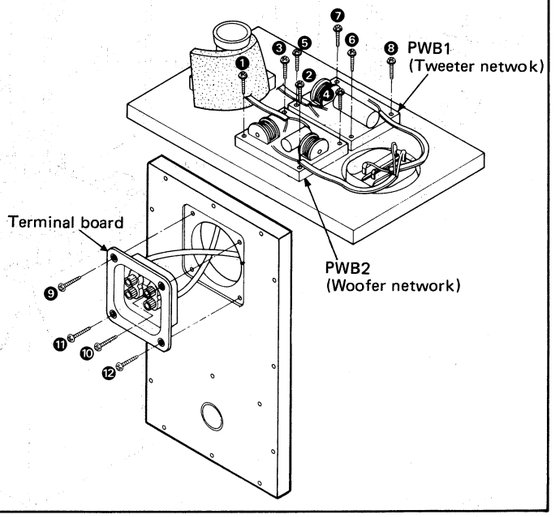
Ref. No. 3	Removal of the tweeter.
Procedure 1 → 3	1. Remove the 1 screw (❶). 2. Remove the tweeter in the direction of the arrow.



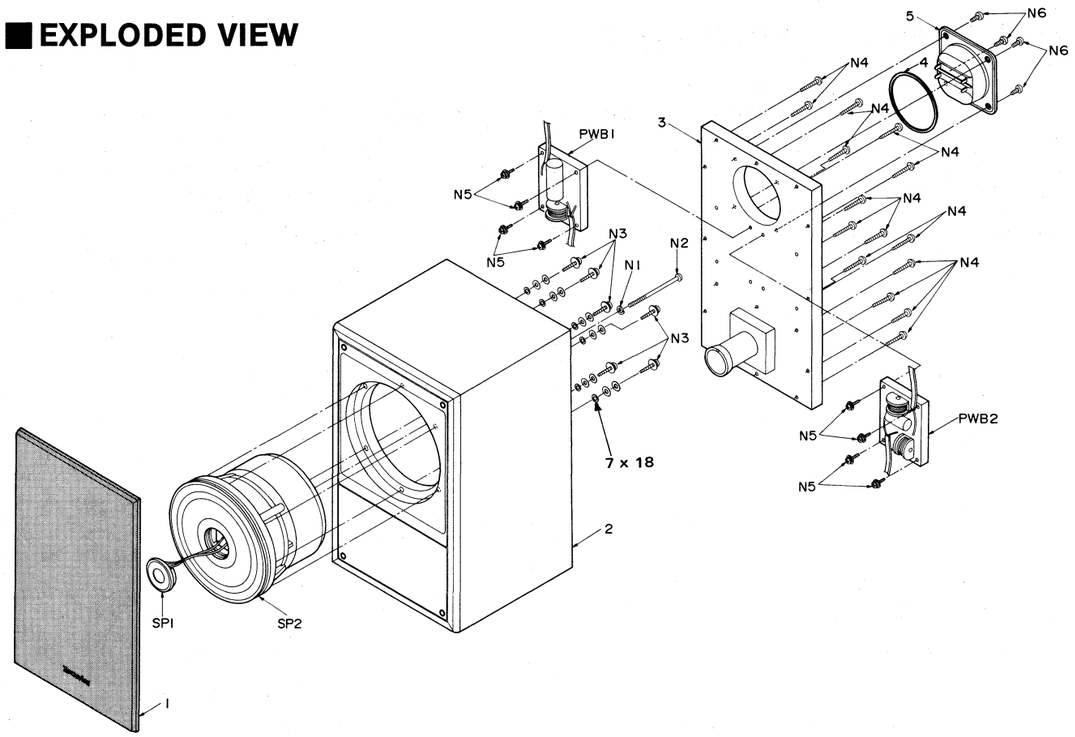
Ref. No. 2	Removal of the speaker units (Woofer and Tweeter).
Procedure 1 → 2	1. Remove the net. 2. Remove the 6 screws (❶ ~ ❻). 3. Remove the speaker units in the direction of the arrow.



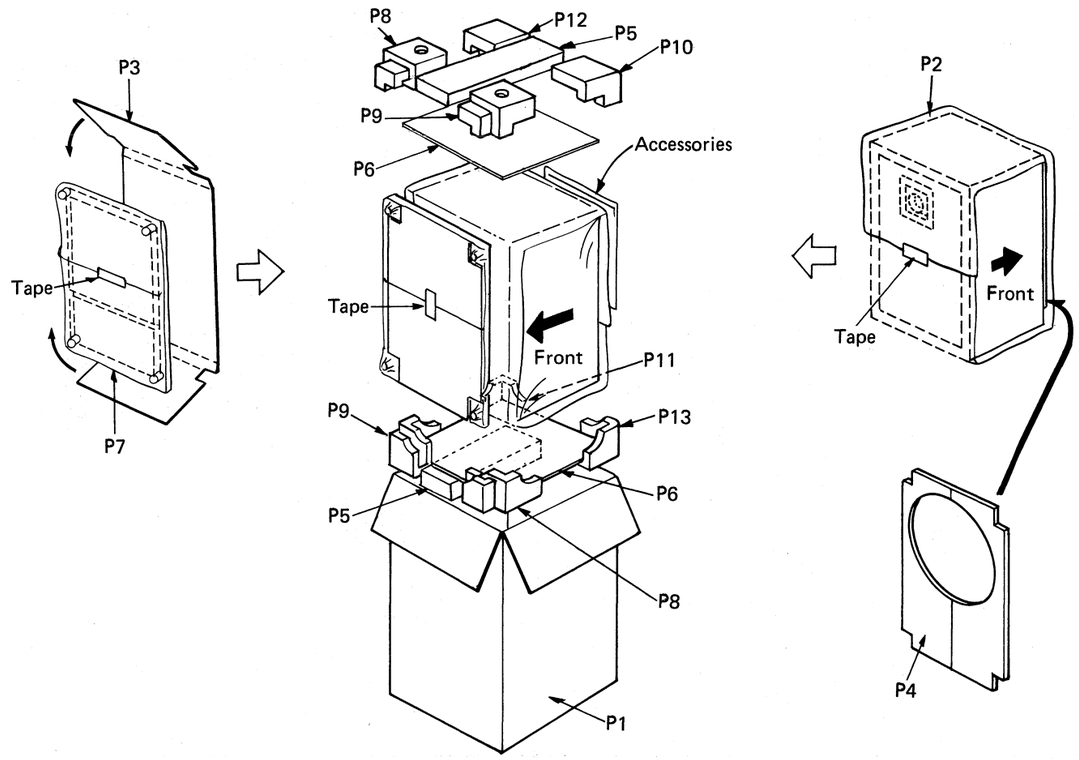
Ref. No. 4	Remove the terminal board, woofer network and tweeter network.
Procedure 1 → 4	• Remove the 4 screws (❶ ~ ❹) of the woofer network. • Remove the 4 screws (❺ ~ ❽) of the tweeter network. • Remove the 4 screws (❾ ~ ⓬) of the terminal board.



■ EXPLODED VIEW



■ PACKING



■ REPLACEMENT PARTS LIST

Notes: 1. Part numbers are indicated on most mechanical parts. Please use this part number for parts orders.

Ref. No.	Part No.	Part Name & Description	Remarks
		SPEAKERS	
SP1	EASBRX70-MN1	TWEETER ASS'Y	
SP2	EASBRX70-MN2	WOOFER ASS'Y	
		PRINTED CIRCUIT BOARD (1)	
		ASS'Y (SXPBRX70-MN1)	
C1	RCQE1225KG-Q	P. CAPACITOR 100V 2.2μF	
C2	RCQE1474KG-Q	P. CAPACITOR 100V 0.47μF	
C3	ECEA50Y3R3K	E. CAPACITOR 50V 3.3μF	
C4	QCEA50Y33L	E. CAPACITOR 50V 33μF	
L1	RLCS391KU	CHOKE COIL 0.39mH	
R1	ERF5AK4R7	C. RESISTOR 5W 4.7Ω	
R2	ERF5AJ390	C. RESISTOR 5W 39Ω	
		PRINTED CIRCUIT BOARD (2)	
		ASS'Y (SXPBRX70-MN2)	
C5	QCEA50Y12L	E. CAPACITOR 50V 12μF	
C6	RCQE2474KA-Q	P. CAPACITOR 200V 0.47μF	
C7	ECEA50Y3R3K	E. CAPACITOR 50V 3.3μF	
C8	QCEA50Y1R0L	E. CAPACITOR 50V 1μF	
C9	RCQE2474KA-Q	P. CAPACITOR 200V 0.47μF	
L2	RLCS122JU	CHOKE COIL 1.2mH	
L3	RLCS471KU	CHOKE COIL 0.47mH	
R3	ERF5AK3R3	C. RESISTOR 5W 3.3Ω	
		CABINET AND CHASSIS	
1	RYB0004	NET	
2	RYKBRX70-MN	CABINET ASS'Y	
3	RYB0020	REAR BOARD ASS'Y	
4	SHRS9076	SPACER	
5	RJHBRX70-MN	TERMINAL BOARD ASS'Y	
		SCREWS AND WASHERS	
N1	XWA5B	WASHER	
N2	XSN5+90BS	SCREW	
N3	XYN5+F30S	SCREW	
N4	XMM38+38FZ	SCREW	
N5	XMA31+D25	SCREW	
N6	XTB4+20AFZ	SCREW	
N7	XWG5	WASHER	

Ref. No.	Part No.	Part Name & Description	Remarks
		PACKING MATERIAL	
P1	RPG0251	CARTON BOX	
P2	RPH0013	PROTECTION SHEET	
P3	RPN0050	PAD (NET)	
P4	RPN0098	PAD, SPACER	
P5	RPN0113	PAD, UPPER/BOTTOM	
P6	RPN0114	PAD, UPPER/BOTTOM	
P7	SPHS3X103A03	PROTECTION SHEET (NET)	
P8	SPS5122	PAD, CORNER	
P9	SPS5123	PAD, CORNER	
P10	SPS5124	PAD, CORNER	
P11	SPS5124-1	PAD, CORNER	
P12	SPS5125	PAD, CORNER	
P13	SPS5125-1	PAD, CORNER	
		ACCESSORIES	
A1	RQF0229	INSTRUCTION MANUAL	(E)
A1	RQF0230	INSTRUCTION MANUAL	(EB)
A1	RQF0231	INSTRUCTION MANUAL	(EG)
A2	REE0007	SPEAKER CORD (4m)	
A3	SHR9513	NET CATCH COVER	
		PRINTED CIRCUIT BOARDS	
		ASS'Y	
PWB1	SXPBRX70-MN1	PRINTED CIRCUIT BOARD (1)	
		ASS'Y (TWEETER NETWORK)	
PWB2	SXPBRX70-MN2	PRINTED CIRCUIT BOARD (2)	
		ASS'Y (WOOFER NETWORK)	

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